

Mini Embeddable
微型可嵌

NFC FPC Tags are particularly tailored for applications requiring embedded with small size NFC Tags like speakers, toys and other consumer electronic devices. This NFC FPC Tag is designed to operate with a 13.56 MHz carrier frequency, which is in accordance with NFC protocols. With flexible PI and etching cooper material protecting, this FPC tag is available with variable mini size up to 5mm circle, square and rectangle shapes.

High Temp Resist
耐高温

NFC微型嵌入式标签由PI基材和蚀刻铜线以及芯片构成，广泛应用于电子玩具、蓝牙音响、电子设备及零部件等嵌入式应用。可实现产品的互动控制与防伪溯源管理。



IMAGE	DIMENSION 尺寸	W/O HOLE 是否带孔	NTAG213	ISO15693	MIFARE	LF 低频	UHF 超高频	NOTE 备注
	D7mm	NO		✓		X	X	
	D8mm	NO			✓	X	X	
	D10mm	NO	✓	✓	✓	X	X	★
	D12mm	NO	✓			X	X	
	D14mm	NO	✓			X	X	
	D24mm	NO			✓	X	X	
	D14mm	YES	✓			X	X	
	5x5mm	YES	✓		✓	X	X	
	7x7mm	NO	✓			X	X	
	4x10mm	NO	✓			X	X	
	6x15mm	NO	✓		✓	X	X	
	8x13mm	NO	✓		✓	X	X	
	9x18mm	NO			✓	X	X	
	12x18mm	NO	✓		✓	X	X	
	3x10mm	NO				X	✓	

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NFC PCB Tags are particularly tailored for applications requiring embedded with small size NFC Tags like speakers, toys and other consumer electronic devices. This NFC PCB Tag is designed to operate with a 13.56 MHz carrier frequency, which is in accordance with NFC protocols. With PCB material protecting, this PCB tag is available with variable mini size up to 8mm circle, square and rectangle shapes.

NFC微型嵌入式标签由PCB以及芯片构成，广泛应用于电子玩具、蓝牙音响、电子设备及零部件等嵌入式应用。可实现产品的互动控制与防伪溯源管理。

IMAGE	DIMENSION 尺寸	W/O HOLE 是否带孔	NTAG213	ISO15693	MIFARE	LF 低频	UHF 超高频	NOTE 备注
	D10mm	NO	✓		✓	✗	✗	
	D16mm	NO			✓	✗	✗	
	D18mm	NO		✓	✓	✗	✗	
	D20mm	NO			✓	✗	✗	
	D35mm	NO		✓		✗	✗	
	D12mm	8mm	✓			✗	✗	
	D16mm	10mm	✓					
	D18mm	10mm			✓			
	D20mm	12mm	✓			✗	✗	
	8x8mm	NO	✓			✗	✗	
	4.8x12.8mm	NO	✓		✓	✗	✗	
	10x15mm	NO	✓		✓	✗	✗	
	9x18mm	NO			✓	✗	✗	
	12x18mm	NO			✓	✗	✗	

13.56Mhz HF RFID 高频RFID	IC Type 芯片名称	Read/Write 读写	Read/Write Memory 容量	UID byte 内码	Protocol 协议	Brand 品牌	Comments 备注
	NTAG213	R/W	144byte	7	ISO14443A / NFC Type2	NXP	★
	NTAG215	R/W	504byte	7	ISO14443A / NFC Type2	NXP	
	NTAG216	R/W	888byte	7	ISO14443A / NFC Type2	NXP	
	MIFARE CLASSIC EV1 1K	R/W	1024bit	4/7	ISO14443A	NXP	★
	FM11RF08	R/W	1K byte	4	ISO14443A	Fudan	
	MIFARE CLASSIC EV1 4K	R/W	4K byte	4/7	ISO14443A	NXP	
	MIFARE Ultralight EV1	R/W	384bit	7	ISO14443A	NXP	
	MIFARE Ultralight EV1	R/W	1024bit	7	ISO14443A	NXP	
	MIFARE Ultralight C	R/W	1536 bit	7	ISO14443A	NXP	
	MIFARE DESFire 2K <i>(ev1/ev2/ev3)</i>	R/W	2K byte	7	ISO14443A	NXP	
	MIFARE DESFire 4K <i>(ev1/ev2/ev3)</i>	R/W	4K byte	7	ISO14443A	NXP	
	MIFARE DESFire 8K <i>(ev1/ev2/ev3)</i>	R/W	8K	7	ISO14443A	NXP	
	MIFARE DESFIRE LIGHT	R/W	1K byte	7	ISO14443A / NFC Type 4	NXP	
	MIFARE Plus SE 1K	R/W	1K byte	4/7	ISO14443A	NXP	
	MIFARE Plus EV2 2K	R/W	2K byte	7	ISO14443A	NXP	
	MIFARE Plus EV2 4K	R/W	4K byte	7	ISO14443A	NXP	
	I CODE SLIX	R/W	1024bit	7	ISO15693/18000-3	NXP	
	I CODE SLIX-L	R/W	512bit	7	ISO15693/18000-3	NXP	
	I CODE SLIX-S	R/W	2048bit	7	ISO15693/18000-3	NXP	
ST25TN01K	R/W	1664bit	7	ISO14443A / NFC Type 2	ST	★	
FELICA LITE S	R/W	224byte	7	NFC Type 3	SONY		
ST25TV02K	R/W	2048bit	7	ISO15693 / NFC Type 5	ST		
TAG-IT 256	R/W	256bit	7	ISO15693 /18000-3	TI		
TAG-IT 2048	R/W	2048bit	7	ISO15693 /18000-3	TI		

1byte = 8bit

ULTR HIGH Frequency 840-960Mhz	IC Type 芯片名称	EPC EPC容量	USER 用户区	TID TID容量	Brand 品牌	TID Code 编码	Comments 备注
	Higgs 3	96	512	32	Alien	E2003412	
	Higgs-EC	128	128	32	Alien	E2003811	★
	Higgs 9	96-496	688	32	Alien	E2003821	
	Ucode 8	128	0	32	NXP	E2806894	
	Ucode 9	96	0	0	NXP	E2806995	★
	Ucode DNA	224	3072	32	NXP	E2C06892	
	Monza 4i	256	480	32	IMPINJ	E2801114	
	Monza 4D	128	32	32	IMPINJ	E2801100	
	Monza 4E	496	128	32	IMPINJ	E280110C	
	Monza 4QT	128	512	32	IMPINJ	E2801105	
	Monza R6	96	0	0	IMPINJ	E2801160	
	Monza R6-P	128	32	32	IMPINJ	E2801170	
	M730	128	0	32	IMPINJ	E2801191	
	M750	96	32	32	IMPINJ	E2801190	
	EM4425	480	1056	32	EM	E200B112	
	Qstar-71GB-O	496	128	32	Quanray坤锐	E280F337	
Qstar-73GB-O	128	512	32	Quanray坤锐	E280F336		
Qstar-73GB-O-V	64-512	128-528	32	Quanray坤锐	E280F338		

100-150Khz Low Frequency	IC Type 芯片名称	Read/Write 读写	Memory 容量	Protocol 协议	Brand 品牌	Comments 备注
	TK4100	R/O	64bit	——		★
	EM4200	R/O	64bit	——	EM	
	EM4550	R/W	1K bit	——	EM	
	EM4069	R/W	128bit	——	EM	
	T5577	R/W	363bit	ISO11784/785	ATMEL	★
	EM4305	R/W	512bit	ISO11784/785	EM	
	HITAG 1	R/W	2K bit	——	NXP	
	HITAG 2	R/W	256bit	——	NXP	
	HITAG S256	R/W	256bit	ISO11784/785	NXP	